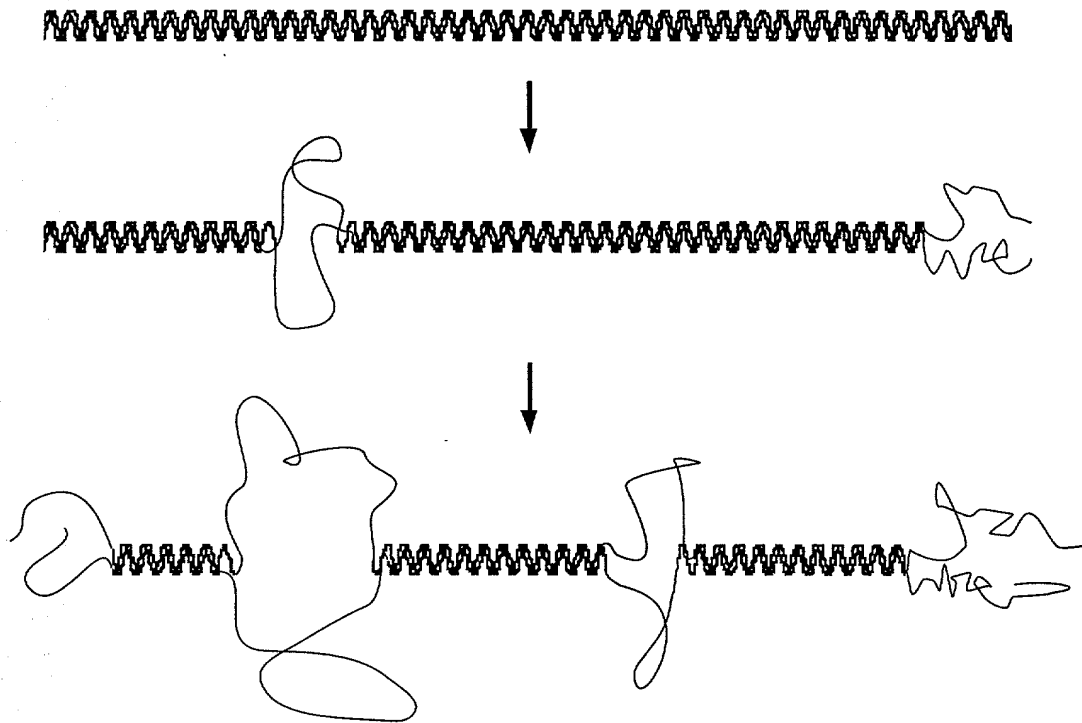


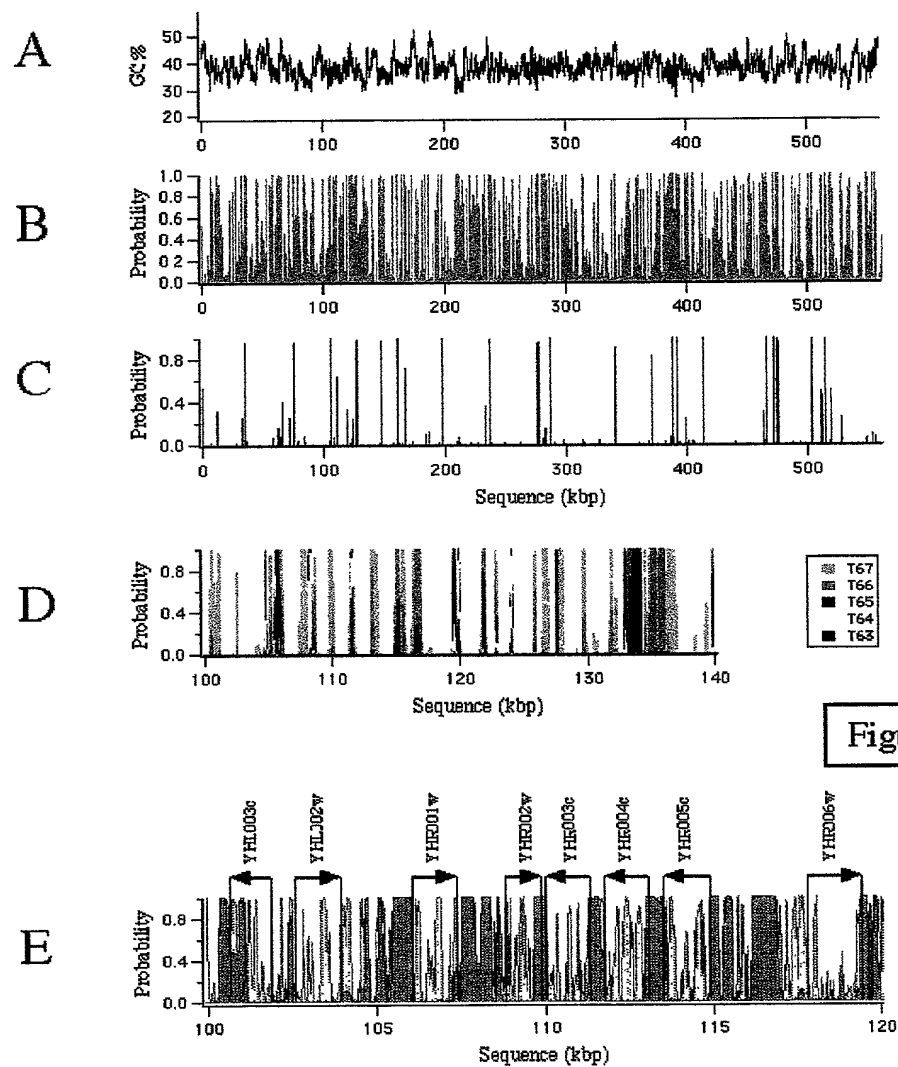
Figure 1

#5



0950051 02500

20220115005660



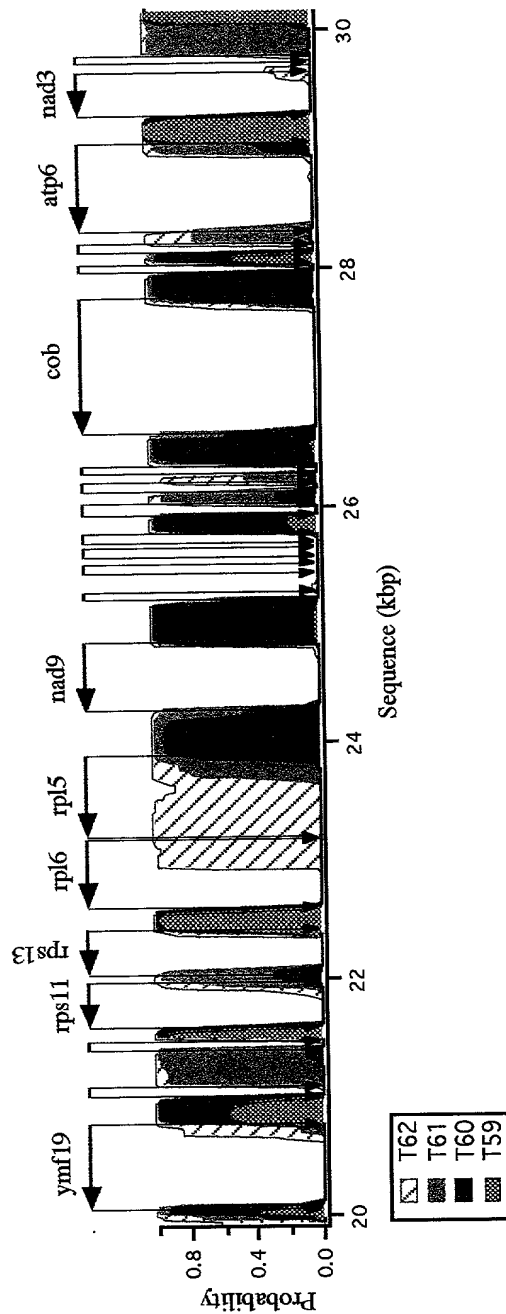
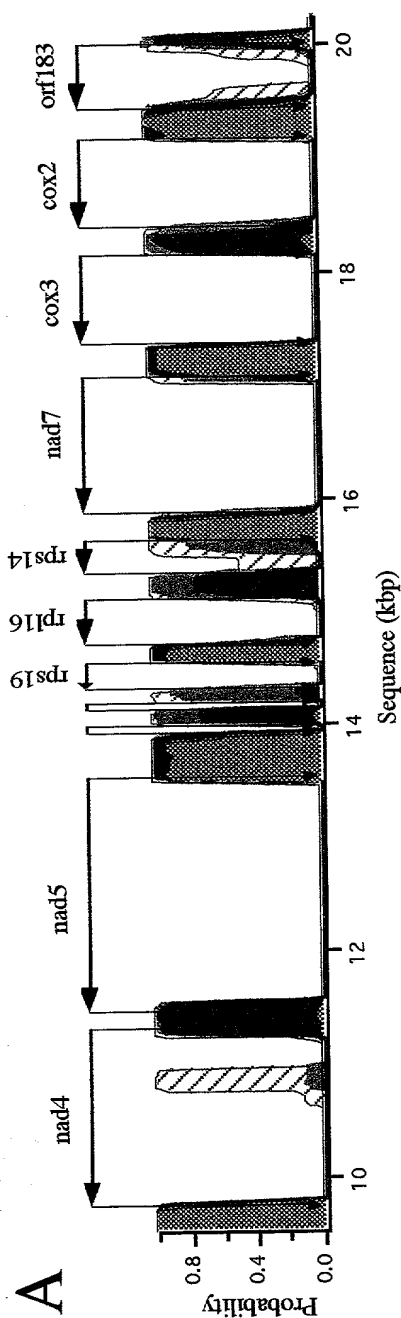


Figure 3

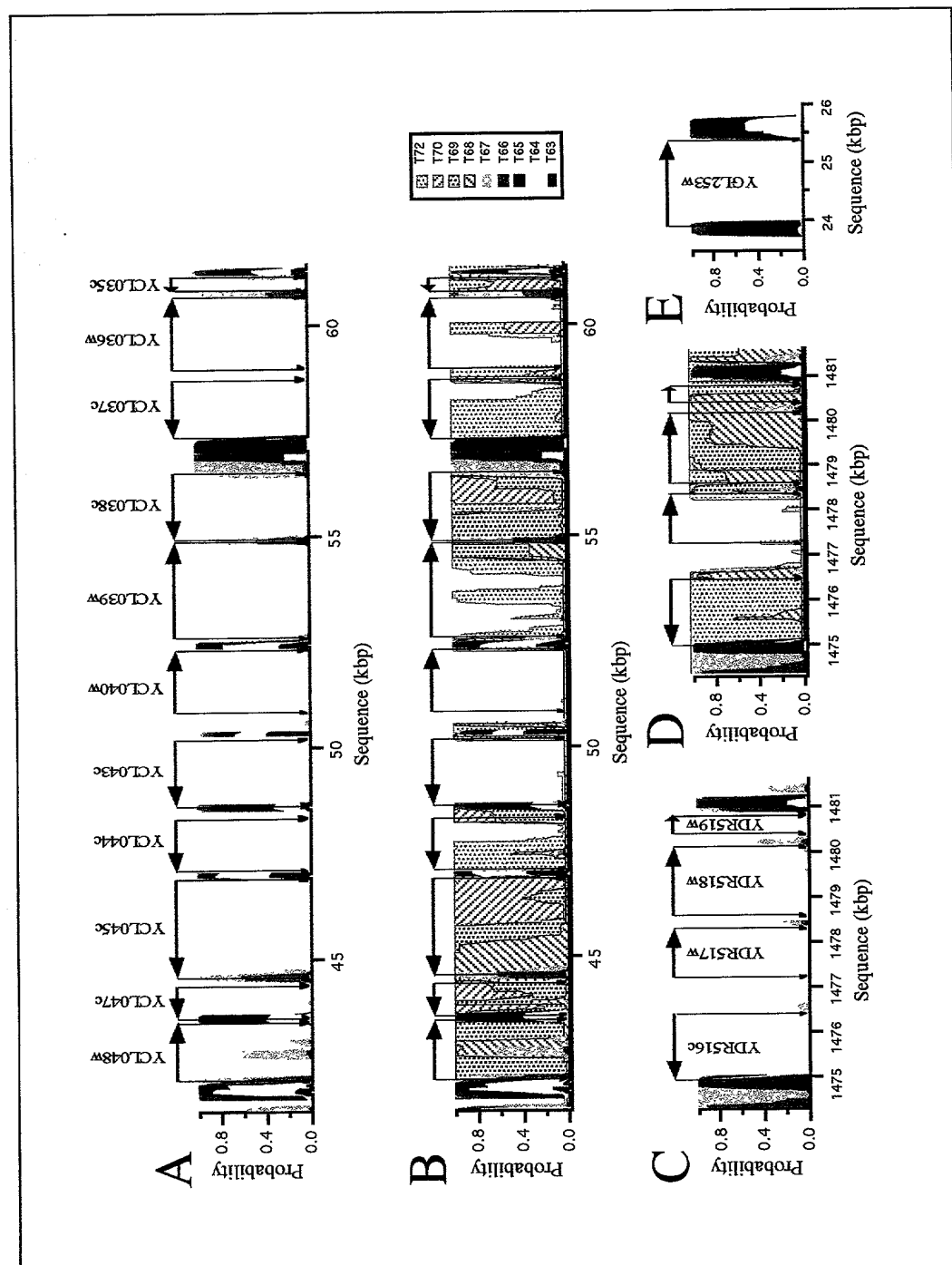


Figure 4

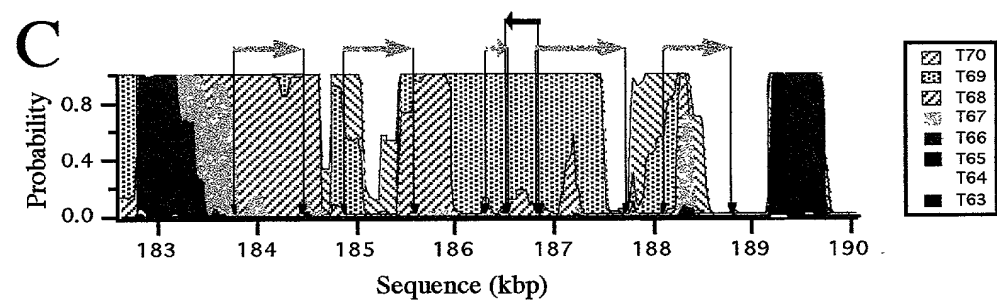
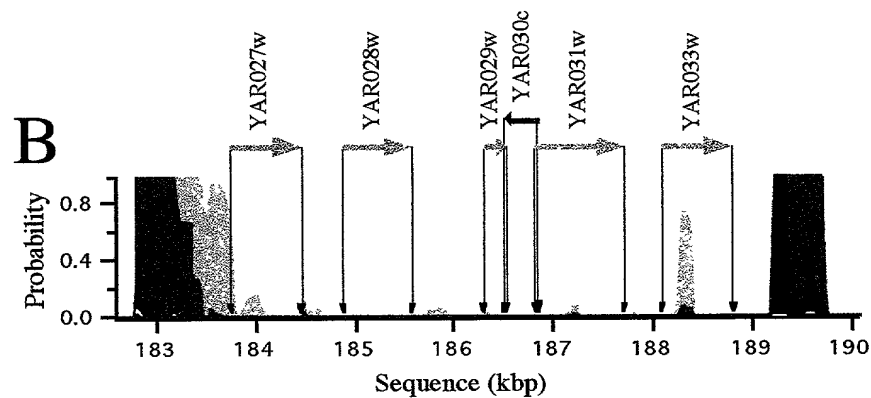
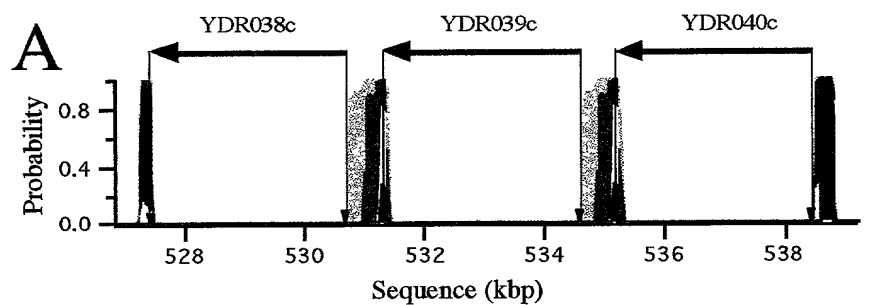
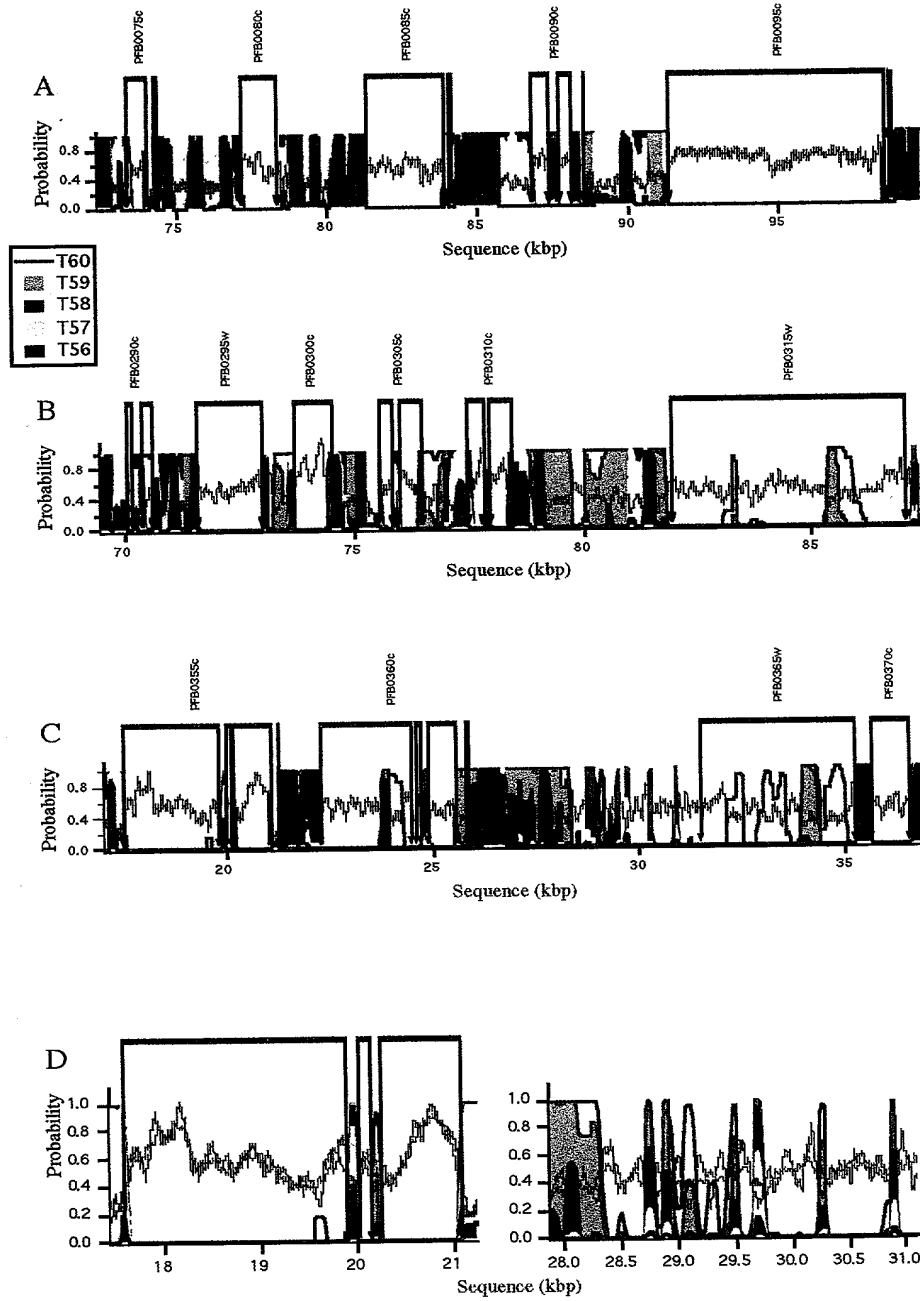
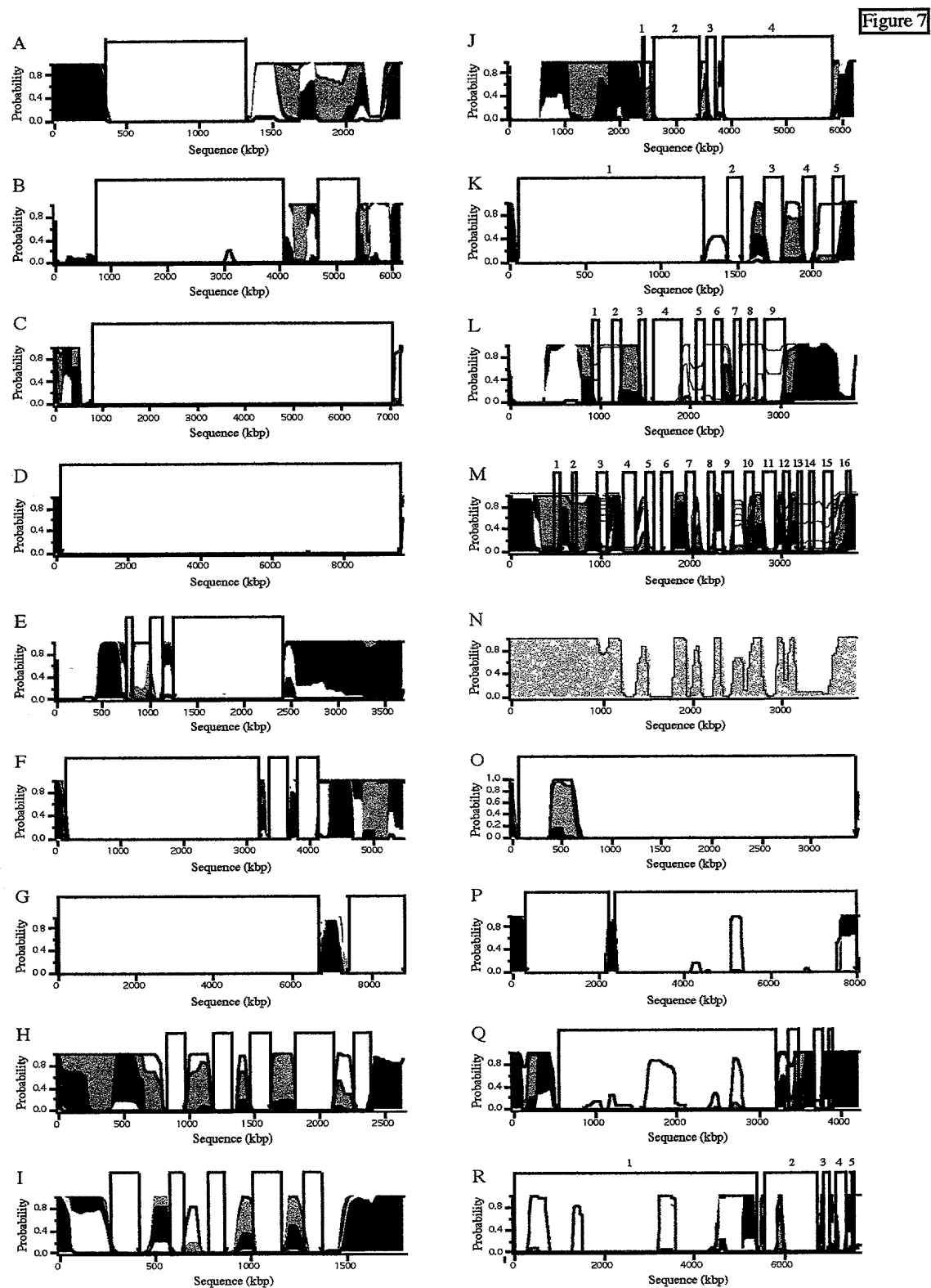


Figure 5

Figure 6





20230207 15005660

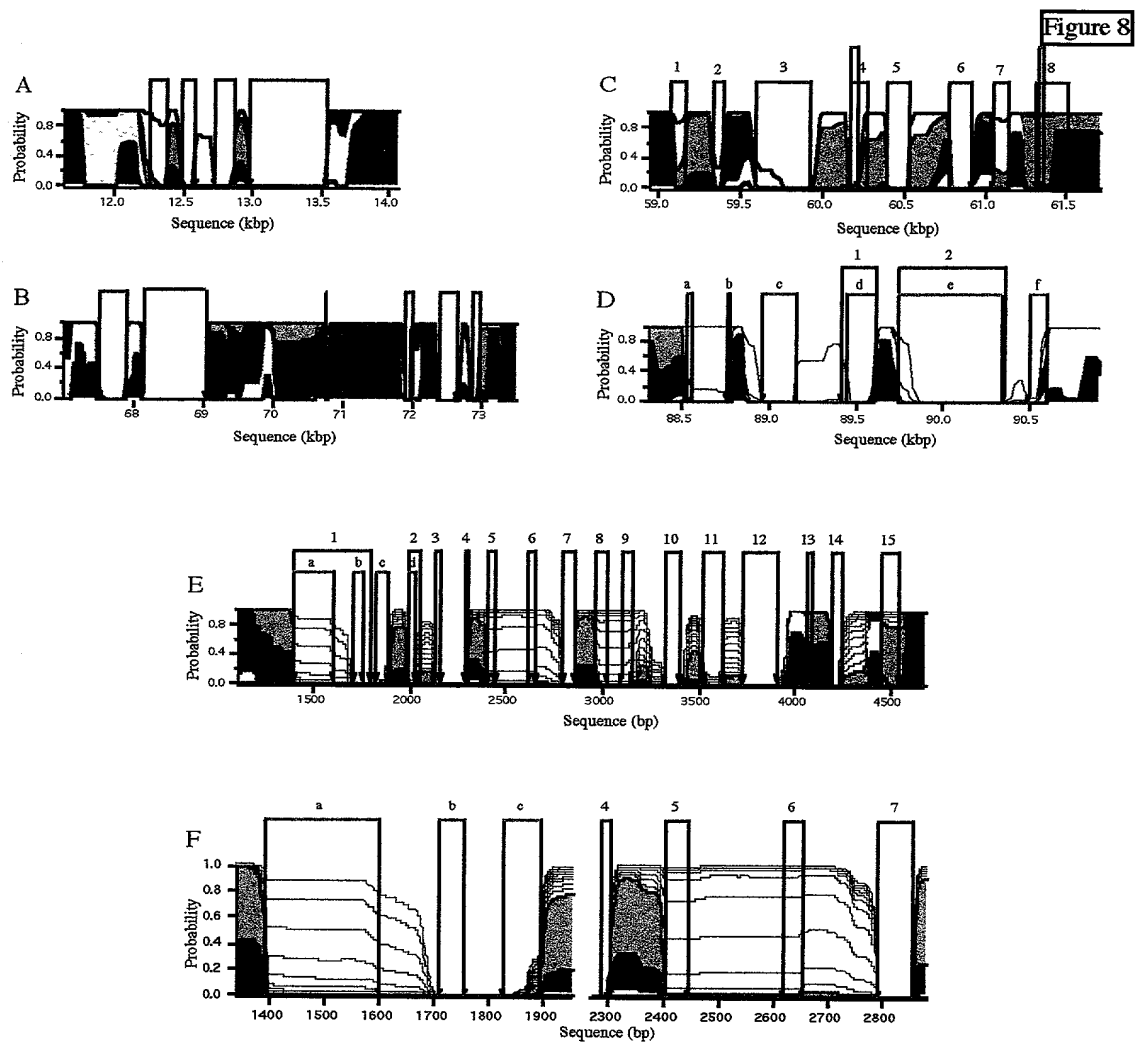




Figure 9

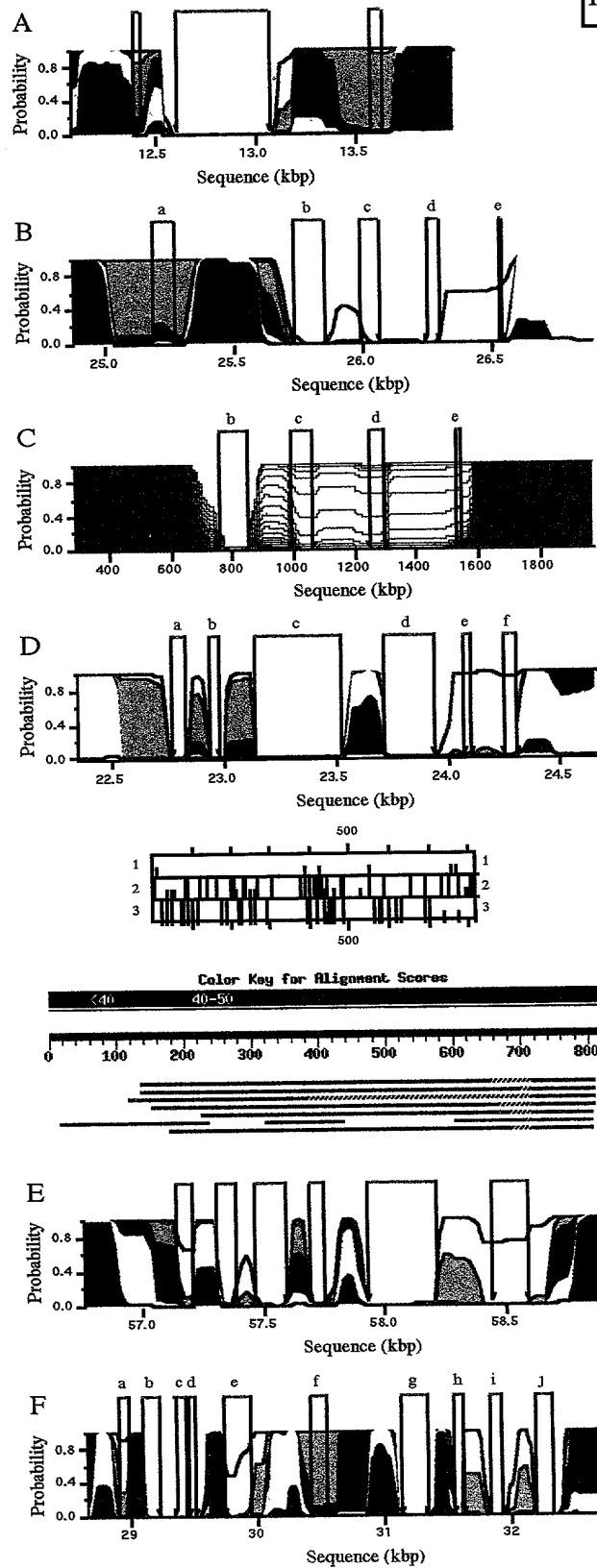
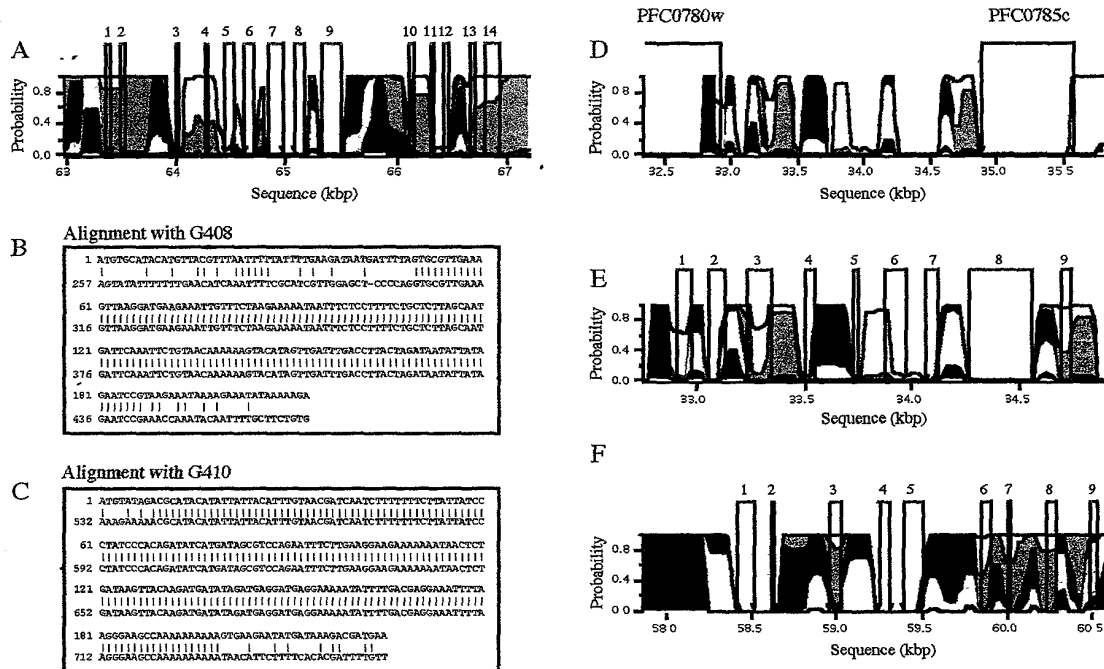


Figure 10



09370051.02500

622741	tatgcacgtg	tgtgtgtgta	taatatata	ttcttatttc	catattacct	tgtctacata
622801	tgggacattt	ogtattttgc	atcctaacaa	catttgcaca	cttcaaaata	aaaaaaaaa
622861	aaaattatat	atatatatat	atatattata	tatacatgta	tttactttta	atattcatat
622921	tattttogtrt	taaagtacca	cattacaaaag	acacatatgt	ctacaaggta	aaattgctgt
622981	atctttttca	tccgtcaggo	atattacaca	ttcccttaaa	aataaaacat	aaatataaat
623041	aagcatataa	tatatatagt	atatataatg	tacattccata	cgtataaatg	aataaaaaa
623101	tacatatata	tatatatata	tatatatata	tgatgtacac	acctgtcaga	caaataatta
623161	tttacaggat	cggtttttgt	ttctggagat	ttttctattc	caaaaatttc	ttgaacctca
623221	aatgatctgt	taccaaattg	aatcttctgt	ctataaagaa	ttattttata	tttatcttga
623281	ttgtttttat	tctcgttcat	ctgattttct	tgtaagtagg	catagttgta	ttgagcctga
623341	agtatgggog	taccaatcgc	tttaaggact	attaaaatag	gaatgatata	ttcataacta
623401	ggtttacatt	ttatatcatt	tatatccatg	ttattcaaat	ttattccttc	atttaattca
623461	ctcatataaa	cttggtttta	attcttcogga	aatatttttg	taatcgtttg	atacttttga
623521	ggacaatatc	tagaaaagaa	agaaaattaa	caaaaogaac	ataaaaataa	tatttataaa
623581	aaaatatata	aaaaaaaaaa	aattgatata	tataacataa	atttctacat	aataaatcta
623641	atatatatata	atatatatat	atatatatat	atatatatat	tataatacat	tttcttttat
623701	tttaaaaaata	ttacatgggt	tcttttgctt	ctgttaactc	ctctttacaa	caaaaataaa
623761	tagataacctc	tacatcatgt	aaggcatcaa	aaatgaaatt	tattaaataa	ttattatttc
623821	ccacattttat	aattttttaat	gtctttctac	gtaagttaag	tgaatttctt	acaacggatg
623881	ttctttggaat	atttatattt	ggtccttgcg	atattagttc	acacaagttg	gtgttatttg
623941	ttctctatca	ttaagtcaaa	atageagaga	aaaaaaatga	aatgaaataa	gaagtatact
624001	tacacataaaa	tgtacatata	tatatataca	tattttatatt	tttatatatt	ttgcttctta
624061	taaagtgtatt	acattttatta	tgggattatc	aatgatattt	gtttgtggct	gtttggaaac
624121	aaaaaaaaaaa	aaaaaaaaaa	aaaagttttt	aattcaaatat	gtgttatata	taataataatg
624181	agaagatata	tatatatata	tatatgggagc	aaaatattat	cattcttttt	ttctttttta
624241	aaacotttaca	ccatcatcat	aataatcatc	tcgattgtta	gataacgatg	aaccatttat
624301	tcctgattata	caacaagaaa	attataaaat	gtaacatata	tattttaaag	cattataaat

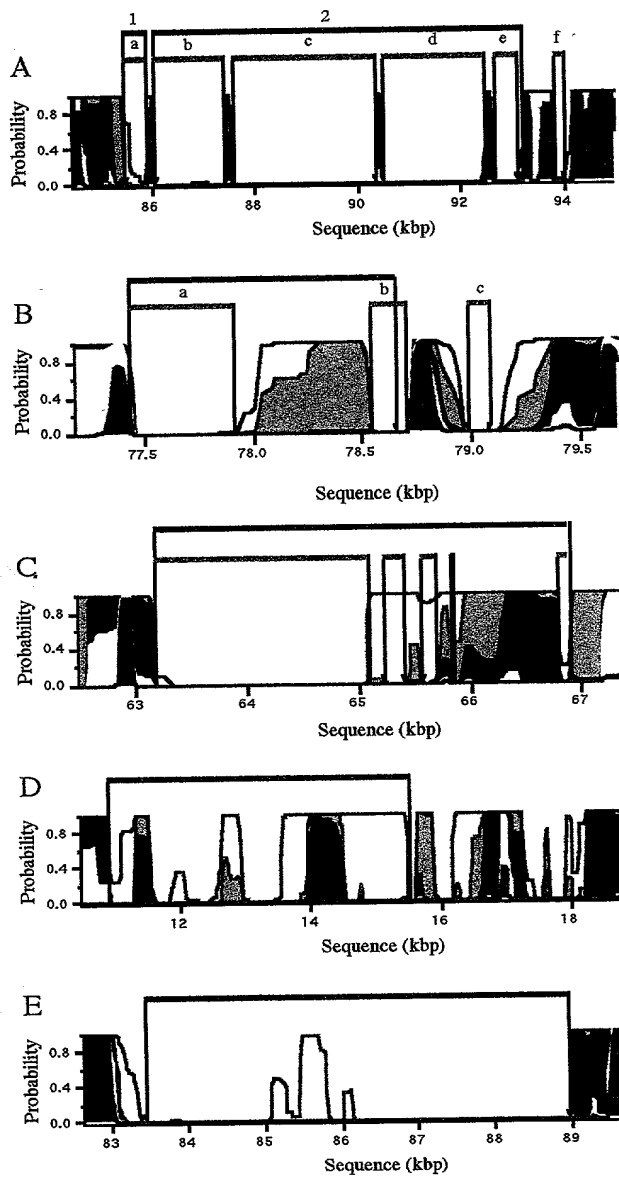
Figure 11

457081 acttataaat aggttggtata caaatatata ttattttatat tttatttttgt taataaattc  
 457141 ttggtaacaa tttctttcca tcatcatagg gaagatatatt actcttatct ttcggacgat  
 457201 agcctgaaat attcaaaaat aaataaataa atatatatat atataatata tataattacc  
 457261 ttttgataat atatatatat atatatatat attttttttt tcatttacct ccatatgata  
 457321 tttgctgaca caatgctggt aaaacgacgat ttgatttttt ctggttataa aaatcagccc  
 457381 tatataaata aagcaaaata taaaacgtat atatatatat atatatata tatatttatt  
 457441 tttttggtg caagaattac catataaaat aggcttgtaa aaaatgatca cttgataaat  
 457501 taaatatatg tctcatttga agaatactat atttacttaa ctctgttaca attttccgc  
 457561 attgcttcac ttttttttca tataaatgcc tgaaaagggg aaaatccata aataaattaa  
 457621 aataataata tatatatata tatatattta ttcttttatt attttttttt ttttatgtaa  
 457681 actaactccc ataatatatc cttcaacaat gatggaaaaa tatctacatt gttagccgct  
 457741 tctgtctaat ataccaaaaa ctgaaaaaag aaaataaaac attcaagtgt attatcatta  
 457801 ttgttattac atatatgtat ataaataaat atatatatat atatatatat atatatatat  
 457861 atatataaac aaatgatata ttctttttta ttaaaaaaaa aaaaaagctc actccaaatg  
 457921 catattcttg acaattcaaa agttctgcat taaaagaata ttcaggaaca tcttttaaaa  
 457981 gcatccaatc acgaacaatt ctccacgtta tatcaaaaat atatgtattt ataatatctc  
 458041 cttgatactg ttcatgtctt aatcttttat taattatcca aagatgcaa acataaaaat  
 458101 acattttcat attaaaagat tcatattatac gaaataagtt taatatctct tcattttcta  
 458161 atctttcaat tattaatgt actaatctcc atgcacattc tccatattct gtatgttttc  
 458221 taaataaata ttaaaatata tatattttta ttttatatat aaacataaat tcaaatgaa  
 458281 acttttttaa catatttagac gtacatatgc tatgtttttt aaaatattat atatatatat  
 458341 tatgaagaat tgttttctta caaaaaaat ttatatatca tagaacttat tatagaacga  
 458401 toacattgtg gtataggtat tgcatatctt gaagattctc taataactaat ttttgtattc  
 458461 ttatctcat acaaaacttt actttcgata atttttaaat tatcatatac ttttatttca  
 458521 ctagaaaaat agcgatagtt aatatatctt ctctttaaaa caaattttgt acattttatac  
 458581 cacatgacaa caaaatttaa ttaaaaatta atgaaaaaaa aaaaaaaaaa aaaaaaaaaa

Figure 12

2022-10-20 15:00:00

Figure 13



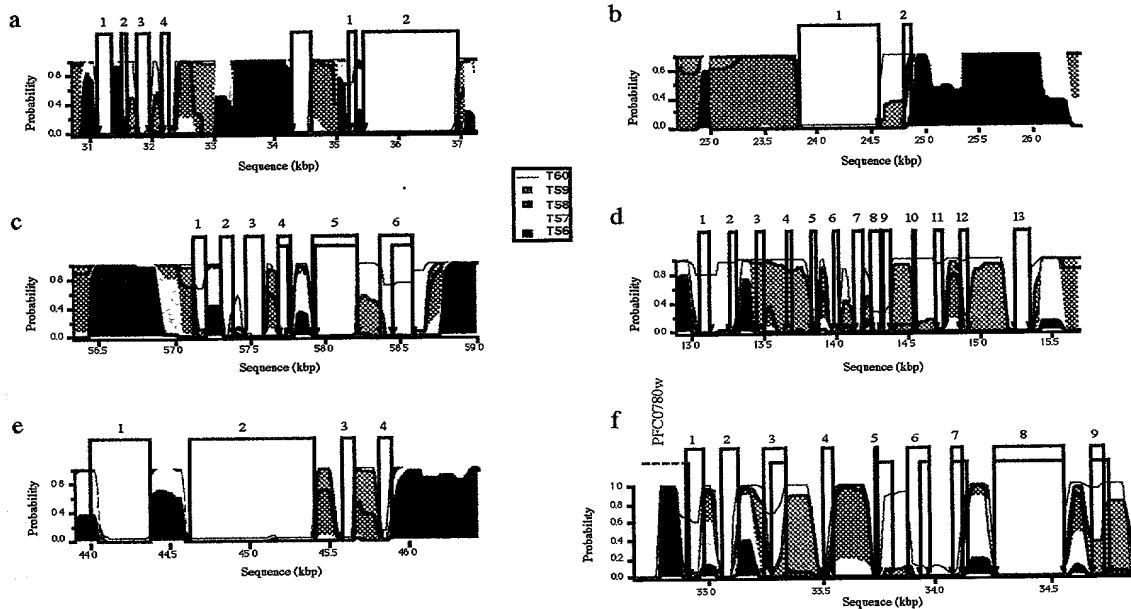
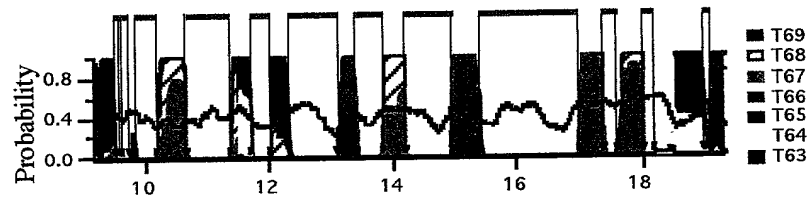


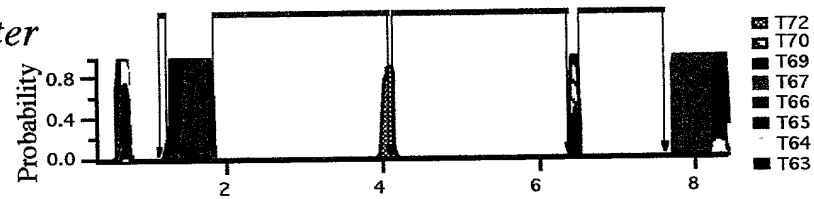
FIG.14

# Large subunit of RNA polymerase II

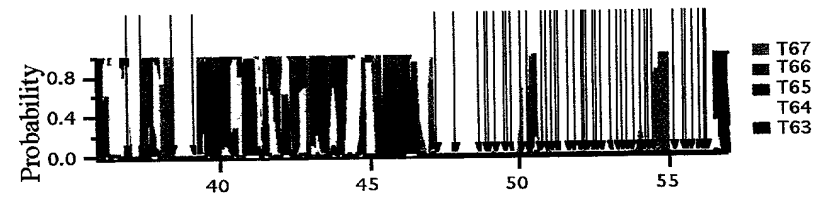
*C. Elegans*



*D. melanogaster*



*T. arabis*



*P. falciparum*

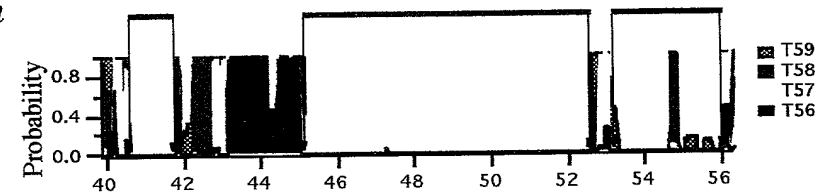


FIG.15

LOCUS AP001754 340000 bp DNA PRI 10-MAY-2000  
 DEFINITION Homo sapiens genomic DNA, chromosome 21q, section 98/105.  
 ACCESSION AP001754 AL163299 BA.000005

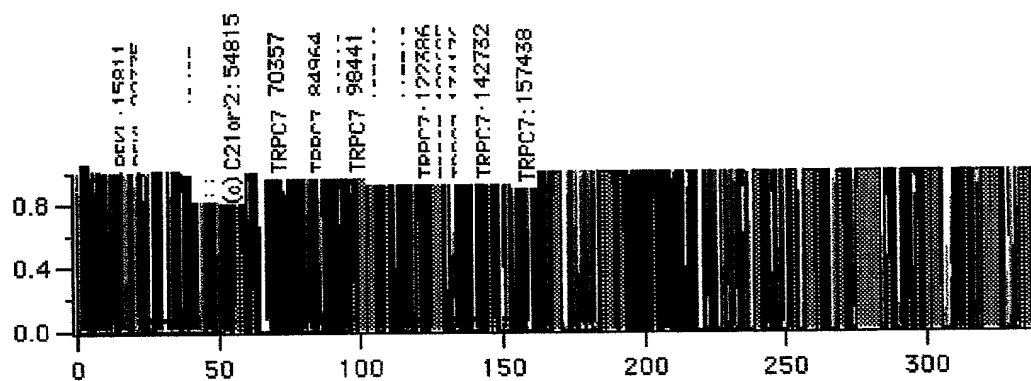
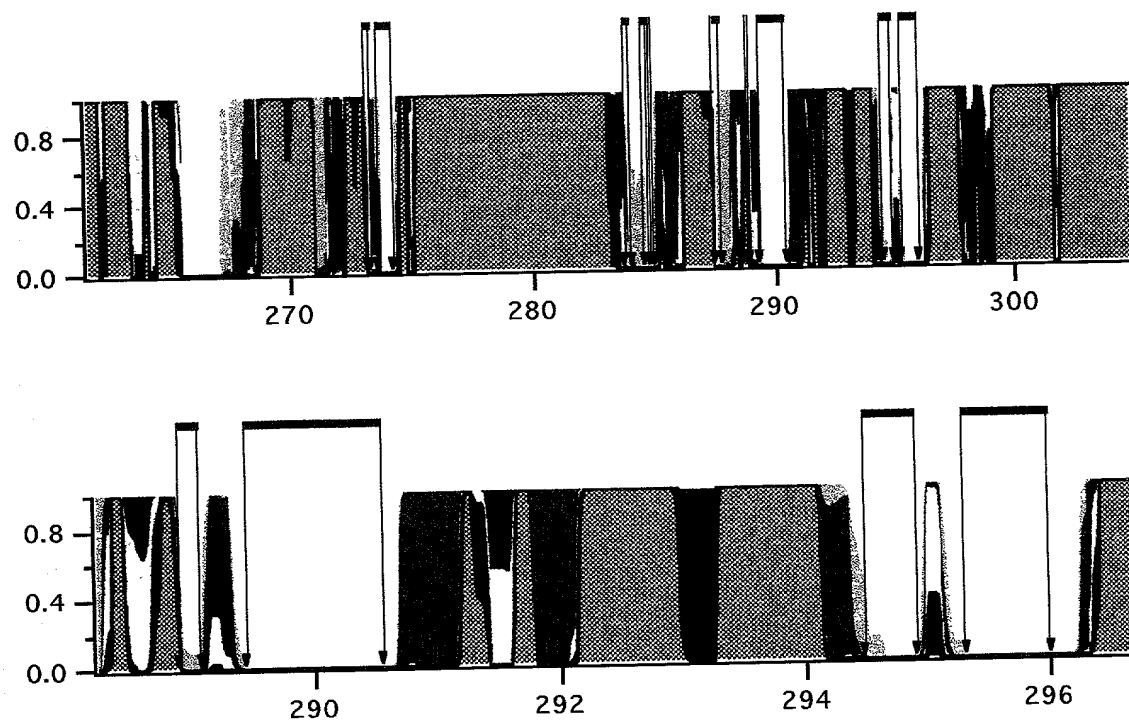


FIG.16



205220-15005660



**FIG.17**

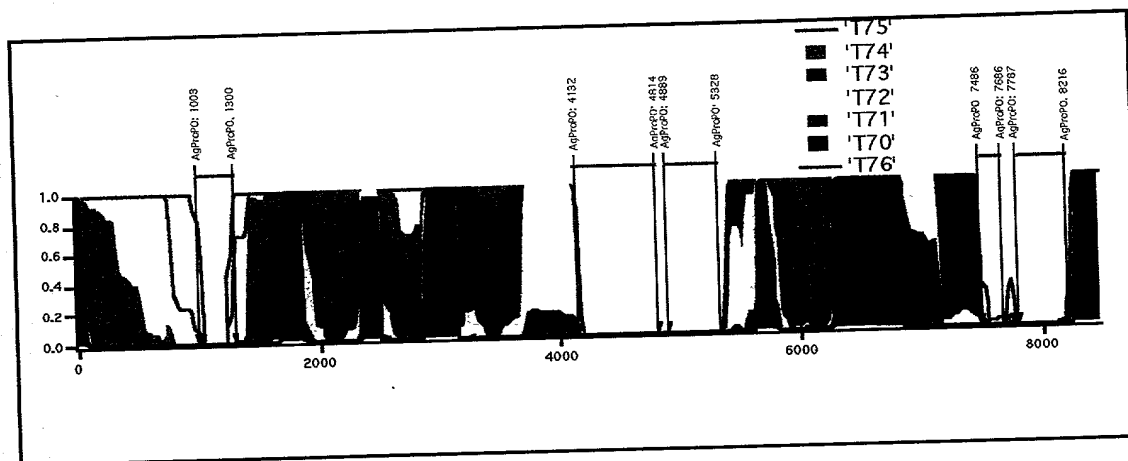


FIG.18

202507500560

2022-1-30 15:55:50

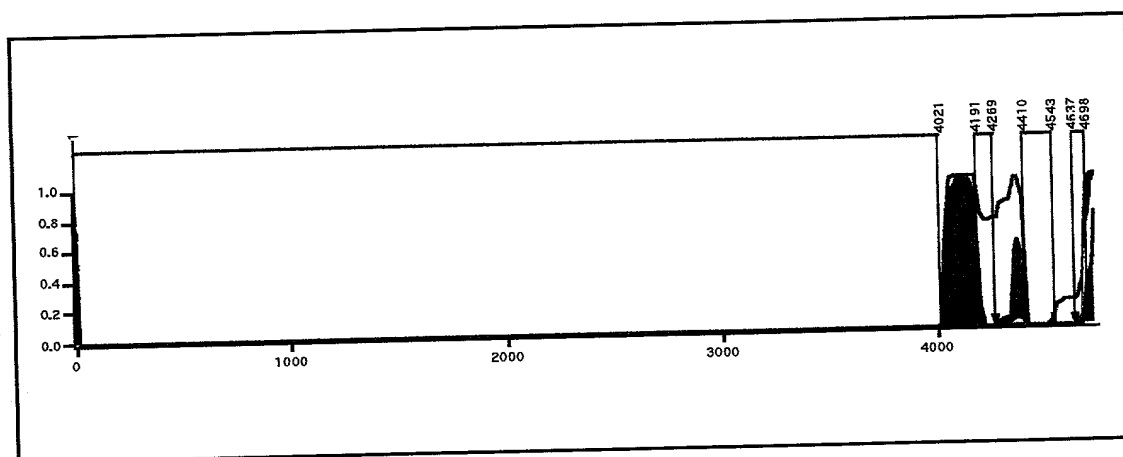
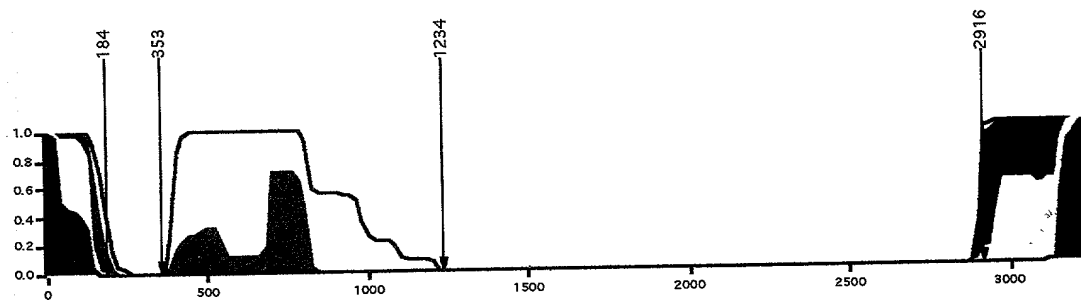


FIG.19



**FIG.20**

205220 15035660

```

287401 ataaacattc tttagtccac acatagataa ataaataagg aagcaaatag acacacagaa
287461 gagcgggaca gctcctcctc ccggggagaat ttcaattagt aagtgtggaa ggaaccaggc
287521 agggaggaga atcctcaaca gagccccaca gggaccgtgc gggcagggcc ccgggagggg
287581 caccagcact gccgggcaaa cgcttgggca gacgcgggac agctgccaa gctcagacat
287641 gaccaattac agagggaac ggcggcaccc cgagggatgg gccgcggccg tgtcacctcc
287701 atgccccacg cacactgctc ctgtgggatt cctcccccaa cacgatgcc actctgacca
287761 cgaggaaacc tcaagcaagt ccacgtggag gggcattota caaaacaccc aaccggtcaa
287821 ggtogctgag gccaaaggaga gattgggcaa ccgtcacaaa ccagagaagc cgaggagagc
287881 ttccagccaa cgccatgtgg ggtcctgagc aggaaccacc ggaagtggg gcagctgctt
287941 aaagacogtc ctggctgaga agaaacagcg cagcgtgctt ttctcagagc tgggaaccga

288661 aocctogact cagacttctg gcttccaaaa ccatgagaca cggaaattct gttgtgtgac
288721 cagccagttt gtggtactgt ttgtcatggc agcccaagga aaagaatata ttacagcata
288781 caaaccatga ctccatttat ctttacttag aaccadaaca aocctctctc ctaagcttt
288841 caatcacaga ggcacatgat cttgttcagc agcctagaaa accaaggccc agcggagcca
288901 ccgtaggca cccactcccc atagcctggc acacacacac ggcagagcca cccacaggca
288961 cccactctc atagtccagc acacacacg cagagccacc cgaggcacc cactcccat
289021 agcccgccac acacgtggac catgccaccc tccacgtgcg cctggggagc aaagcagcac
289081 agcctgaact gccctcagc tcttctctct gactctaaaa cagcacatg cgccccagc
289141 caattccaag tttgtaaaac tgagcaacag ctcttgggaa acaaaacac agctactgtt
289201 tattctctct gagctggctg taccccccaa caaggaaagg agggcttctt gagcctctct
289261 tctggacaac atgcaccaag gaggagtata aaagccccc acacccgagc acctcactca
289321 ctgcctcacc cactcccccc catctcccc agctcaacc ccagcacagc agcatccacc
289381 atgtccgtct cctcagcga cctgagctac agcagccggc tctgccttcc tggttctgtt
289441 gactcttctt ccgactcctg gcagggtggc gactgccagc agagctgctg cgagccccc
289501 tgctgcccc ccagctgctg cgcgccggcc cctgcctga gctgggtctg caccacagtg
289561 agcctgtgtt ccagccccct ctgcagctg acctgcgagc ccagccccct ccaatcaggc
289621 tgcaccagct cctgcacgcc ctctgtctgc cagcagtcta gctgccagct ggcttgtgtt
289681 gccctctccc cctgcagcga ggcctgtctg gtgcccgtct gctgcaagac tgtctgtctg
289741 aagcctgtgt getgtgtgcc cgtctgtgtt ggggatttct catgttgcca gcagtctagc
289801 tgccagtcag cttgtctgcac ctctctcccc tgccagcagg cctgtgtgtt gccatctgc
289861 tgcaagcctg tctgtctctg gatttctctt tctgtctgcc agcagtctag ctgtgtgagc
289921 tgtgtgtcca gccctgtctg ccaggcggtc tgtgagccca gcccttgcca atcaggctgc
289981 atcagctcct gcacgccctc gtgctgccag cagtctagct gccagccggc ttgttgccc
290041 tcctcctctt gccagcaggc ctgctgcgtg ccctgtctgt gcaagactgt ctgctgcaag
290101 cctgtgtgct ctgaggattc ctcttcatgc tgccagcagt ctagctgcca gccggttgc
290161 tgcacctctt ctccctgcca gcaggcttgc tgtgtgcctg tctgttgcaa gctgtgtgc
290221 tgcaagcctg tgggtctgtt gccatctgc tctggggctt cctctctgtg ctgccagcag
290281 tctagctgcc agccagcttg ctgcacctcc tccc aaagcc agcagggctg ctgctgtccc
290341 gtctgtgcca agcctgtgag ctgtgtgctt gtttgcctg gggcttctc tcatgtgc
290401 cagcaatcta gctgccagcc agcttgtctg accacctct gctgcagacc ctctctctcc
290461 gtgtccctcc tctgcgccc cgtgtgcagg ccgcctgtg gcgtgcccgt ccttctctgc
290521 tgtgtctcca cctctctctg ccaaccagc tgctgcgccc cagctctctg cgtgtctctc
290581 ctctgacgcc ccgtgtgtct ccgcccagcc tgctgaggcc tccgtctcagg tcagaagccc

294241 ggatgagagg gggactcatg gaggaacagc cagcccttga cctgagatg gcttgcagg
294301 gagggtaact gaaaatttac ccactgggga cagtgtccta cttactaaaa cagttccagc
294361 caaccaccga gccctgggaa ggcacatccc ccagaaaatc cccagggtct cagcagggcc
294421 ttgtccacct gtgccctcca gtgtcgccca tgtcaacctc acctagagg ggcctgacgc
294481 acggtcctgc aggtgcggac tctgggtcct gacagcccat gcggaacctg gtgccccag
294541 aggagggcct ggggcagtgc cagttttggg gaatcatgtg catccatcca cccactccat
294601 gatgctttct tcctgatcga gtccctgtct tccgcgcag gtgcagcagc cctcctctct

```

Figure 21A

294661 ccccccgcat tgctgctgaa cgggcagaa cctcgggcgg ggggcacaca gggaggggtga  
 294721 ccaggcctgg aggtgtagt gcccggaacc caggccagct tcctggaagg tgacctgca  
 294781 ggggtgggctc tcccaggtgg gacagtgggt gggacagtcc tggggcctgg agagccccac  
 294841 agcccaggggc acggcagcca atgaccaggc tcaggaagac ccaggcatgg aggctgagcc  
 294901 gggactgagc ctctctgggc gtggctgtga gttccacctg gtgacccctt ggaggagtta  
 294961 ggccactgtc ccccgtagct tctagggttaa gtcaactcatt catagaaaca gtcatggcta  
 295021 gagagcaatc tgagctcaaa accatgtatc ccaggagca ctacagaaaa agagaatcag  
 295081 gcgaccaagg ggagtttatt ggggagcagg aggaggtgct gacaggttca agtcgaggcc  
 295141 aagtgaacctg gggcagagaa gctgggaggg aggacagggg acccaacagg caggtgggcc  
 295201 cctgctggga ggcaggagct ggggagcttc gaggatggag attcctggga gtatggaggg  
 295261 gggggtcacc tcagcacatg ggggccccgt cccaagcggg ggcaacctcc taaccgagt  
 295321 caggaccagt tggccctggg ggatgtgcac atcagcaact ggactcctgg cctgagcaga  
 295381 ggcctcagca ggccaggcgg gacacgcgg ggcggcagag gagggacacg caggaggccg  
 295441 ggcggcagca gctggcctgg taggaggagg caggggcaca gcaggaggag atgggcacgc  
 295501 agcaggcggg cctgcatatg gggcggcaga ggagggacac ggaggaggag ggtctgcagc  
 295561 aggaggtggt gcagcaagcc ggctgacagc tagactgctg gcagcatgaa gtggaagcc  
 295621 cagagcagac gggcacacag cagatgggtt tgaagcagac aggcttgcaa cagacaggca  
 295681 cgtagcagga ctgctggcag ggggaggagg tgcagcaagt cggctggcag ctagaatgct  
 295741 ggcagcatga agaggaatcc tcagaacagg tgggcacaca gcacacgggc ttgcagcaga  
 295801 caggcacaca gcaggactgc tggcaggagg aagaggcaca gcaagttggc tggcagctag  
 295861 actgctggca gcatgaagag gaatccttag agcaggtggg caggcagcac acaggcttgc  
 295921 agcagacggg cacgcagcag gcctgctggc agggggagga ggcgcagcaa gccggctggc  
 295981 agcacgaggg cgtgcaggag ctggtgcagc ctgattggca ggggctgggc tcacaggccg

Figure 21B

295220-750555